

ABSTRACT OF THE DISCLOSURE

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An exciter ring assembly to detect rotational parameters of an axle within a tube has an exciter ring attached to the axle by an elastomer insert. The insert provides a frictional interference fit with the axle. The insert affixes the exciter ring to rotate with the axle. The elastomer insert is supplied with radially-spaced axial channels to enable oil flow past the assembly. The outer member of the assembly is press fit into the axle tube. The outer member remains stationary with respect to the axle tube. The outer member restricts the axial movement of the exciter ring and enables rotation of the exciter ring and provides oil flow across the exciter ring assembly..